
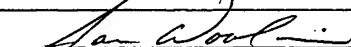


FORM PTO/SE-108A (REV. 10-96)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
Substitute for form 1449A/PTO		Application Number:	10/647,423		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date:	August 25, 2003		
		First Named Inventor:	BAVYKIN, Sergei G.		
		Group Art Unit	1645		
		Examiner Name			
(Use several sheets if necessary)		Attorney Docket Number:		21416-94731	
Sheet 1 of 4					

A U.S. PATENT DOCUMENTS					
*Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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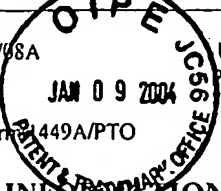
FOREIGN PATENT DOCUMENTS						
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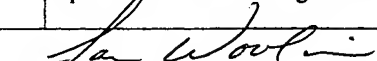
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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Application Number	10/647,423
	Filing Date	August 25, 2003
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Sheet 2 of 4	Attorney Docket Number	21416/94731


B OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SW	B.1	ASH, C., et al. 1992. "Comparative analysis of 23S ribosomal RNA gene sequences of <i>Bacillus anthracis</i> and emetic <i>Bacillus cereus</i> determined by PCR-directsequencing." FEMS Microbiol. Lett. 94:75-80.	
SW	B.2	ASH, C., et al. 1991. "Comparative analysis of <i>Bacillus anthracis</i> , <i>Bacillus cereus</i> , and related species on the basis of reverse transcriptase sequencing of 16S rRNA." Int. J. Syst. Bacteriol. 41:343-346.	
SW	B.3	ASH, C., et al. 1991. "Phylogenetic heterogeneity of the genus <i>Bacillus</i> revealed by comparative analysis of small-subunit-ribosomal RNA sequences." Lett. Appl. Microbiol. 3:202-206.	
SW	B.4	BAVYKIN, S. G. et al. 2001. "Portable system for microbial sample preparation and oligonucleotide microarray analysis." Appl. Environ. Microbiol., 67: 922-928.	
SW	B.5	BEYER, W., et al. 1996. "A nested PCR and DNA-amplification-fingerprinting method for detection and identification of <i>Bacillus anthracis</i> in soil samples from former tanneries." Salisbury Medical Bulletin, Special Supplement No. 87:47-49.	
SW	B.6	CHEE, M., et al. 1996. "Accessing genetic information with high-density DNA arrays." Science 274: 610-614.	
SW	B.7	DAFFONCHIO, D., et al. 2000. "Homoduplex and heteroduplex polymorphisms of the amplified ribosomal 16S-23S internal transcribed spacers describe genetic relationships in the ' <i>Bacillus cereus</i> Group.'" Appl. Environ. Microbiol. 66:5460-5468.	
SW	B.8	GIFFEL, M.C., et al. 1997. "Discrimination between <i>Bacillus cereus</i> and <i>Bacillus thuringiensis</i> using specific DNA probes based in variable regions of 16S rRNA. FEMS Microbiol." Lett. 146:47-51.	
SW	B.9	GUSCHIN, D., et al. 1997. "Manual manufacturing of oligonucleotide, DNA, and protein microchips." Anal. Biochem. 250:203-211.	
SW	B.10	GUSHIN, D. Y., et al. 1997. "Oligonucleotide microchips as genosensors for determinative and environmental studies in microbiology." Appl. Environ. Microbiol. 63:2397-2402.	
SW	B.11	HARRELL, L. J., et al. 1995. "Genetic variability, of <i>Bacillus anthracis</i> and related species." J. Clin Microbiol. 33:1847-1850.	
SW	B.12	HELGASON, E., et al. 2000. " <i>Bacillus anthracis</i> , <i>Bacillus cereus</i> , and <i>Bacillus thuringiensis</i> -one species on the basis of genetic evidence." Appl. Environ. Microbiol. 66:2627-2630.	
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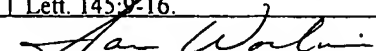
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(REV. 10-96) PATENT AND TRADEMARK OFFICE Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Application Number</td> <td>10/647,423</td> </tr> <tr> <td>Filing Date</td> <td>August 25, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>BAVYKIN, Sergei G..</td> </tr> <tr> <td>Group Art Unit</td> <td>1645</td> </tr> <tr> <td>Examiner Name</td> <td>not yet assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>21416/94731</td> </tr> </table>	Application Number	10/647,423	Filing Date	August 25, 2003	First Named Inventor	BAVYKIN, Sergei G..	Group Art Unit	1645	Examiner Name	not yet assigned	Attorney Docket Number	21416/94731
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Sheet 3 of 4													


C OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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SW	C.1	HENDERSON, I. 1996. "Fingerprinting <i>Bacillus anthracis</i> strains." Salisbury Medical Bulletin, Special Supplement No. 87:55-58.	
SW	C.2	HENDERSON, I., et al. 1994. "Differentiation of <i>Bacillus anthracis</i> from other <i>Bacillus cereus</i> group bacteria with the PCR." Int. J. Syst. Bacteriol. 44:99-105.	
SW	C.3	HENDERSON, I., et al. 1995. "Differentiation of <i>Bacillus anthracis</i> and other <i>Bacillus cereus</i> group bacteria using IS231-derived sequences." FEMS Microbiol. Lett. 128:113-118.	
SW	C.4	HUTSON, R. A., et al. 1993. "The development and assessment of DNA and oligonucleotide probes for the specific detection of <i>Bacillus anthracis</i> ." J. Appl. Bacteriol. 75:463-472.	
SW	C.5	JACKSON, P. J., et al. 1999. "Genetic comparison of <i>Bacillus anthracis</i> and its close relatives using amplified fragment length polymorphism and polymerase chain reaction analysis." J. Appl. Microbiol. 87:263-269.	
SW	C.6	KIEM, P., et al. 1997. "Molecular evolution and diversity in <i>Bacillus anthracis</i> as detected by amplified fragment length polymorphism markers." J. Bacteriol. 179:818-824.	
SW	C.7	LONGCHAMP, P., et al. 1999. "Molecular recognition specificity of <i>Bacillus anthracis</i> spore antibodies." J. Appl. Microbiol. 87:246-249.	
SW	C.8	PATRA, G., et al. 1996. "DNA fingerprinting of <i>Bacillus anthracis</i> strains." Salisbury Medical Bulletin, Special Supplement No. 87:59.	
SW	C.9	PATRA, G., et al. 1996. "Isolation of a specific chromosomal DNA sequence of <i>Bacillus anthracis</i> and its possible use in diagnosis." EMS Immunol. Med. Microbiol. 15:223-231.	
SW	C.10	PRIEST, F. G., et al. 1994. "Characterization of <i>Bacillus thuringiensis</i> and related bacteria by ribosomal RNA gene restriction fragment length polymorphisms." Microbiology 140:1015-1022.	
SW	C.11	PROUDNIKOV, D., et al. 1998. "Immobilization of DNA in polyacrylamide gel for the manufacture of DNA and DNA-oligonucleotide microchips." Anal. Biochem. 259:34-41.	
SW	C.12	RAMISSE, V., et al. 1996. "Identification and characterization of <i>Bacillus anthracis</i> by multiplex PCR analysis of sequences on plasmids pX01 and pX02 and chromosomal DNA." FEMS Microbiol. Lett. 145:9-16.	
EXAMINER			DATE CONSIDERED
			3/14/06

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<p>FORM PTO/SB 08A (REV. 10-96)</p> <p>Substitute for form PTO 449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> <p>Sheet 4 of 4</p>	<p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p>		
	Complete if Known		
	Application Number	10/647,423	
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SW	D.1	RYZHOV, V., et al. 2000. "Rapid characterization of spores of <i>Bacillus cereus</i> group bacteria by matrix-assisted laser desorption-ionization time-of-flight mass spectrometry." Appl Environ. Microbiol. 66:3828-3834.		
SW	D.2	SHANGKUAN, Y.-H., ET AL. 2000. "Comparison of PCR-RFLP, ribotyping and ERIC-PCR for typing <i>Bacillus anthracis</i> and <i>Bacillus cereus</i> strains. J. Appl. Microbiol. 89:452-462.		
SW	D.3	STRIZHKOV, B. N., et al. 2000. "PCR amplification on a microarray of gel-immobilized oligonucleotides: detection of bacterial toxin- and drug-resistant genes and their mutations." BioTechniques 29:844-857.		
SW	D.4	WUNSCHER, D., et al. 1994. "Discrimination among the <i>Bacillus cereus</i> group, in comparison to <i>B. subtilis</i> , by structural carbohydrate profiles and ribosomal RNA spacer region PCR." Syst. Appl. Microbiol. 17:625-635.		
SW	D.5	YERSHOV, G., et al. 1996. "DNA analysis and diagnostics on oligonucleotide microchips." Proc. Natl. Acad. Sci. USA. 93:4913-4918.		
SW	D.6	ZLATANOVA, J., et al. 2001. "Gel immobilized microarrays of nucleic acids and proteins." In J. B. Rampil (ed.), Methods in Molecular Biology: DNA Arrays, Methods, and Protocols, in press, Human Press, Inc., Totowa, NJ.		
	D.7			
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